

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Anthony Simmons and Jianmin Chen

Serial No.: 10/565,415

Filed: January 23, 2006

For: COMPOSITIONS AND METHODS FOR  
HERPES SIMPLEX PROPHYLAXIS AND  
TREATMENT

Group Art Unit: 1645

Examiner: Unknown

Atty. Dkt. No.: UTSG:263US

Confirmation No.: 2190

**CERTIFICATE OF ELECTRONIC SUBMISSION**

**DATE OF SUBMISSION:** December 19, 2006

**INFORMATION DISCLOSURE STATEMENT**

**MS AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

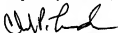
In accordance with 37 C.F.R. § 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. § 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/UTSG:263US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Charles P. Landrum  
Reg. No. 46,855  
Agent for Applicants

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Date: December 19, 2006

Form PTO-1449 (modified)		Atty. Docket No. UTSG:263US	Serial No. 10/565,415
List of Patents and Publications for Applicant's		Applicant Anthony Simmons Jianmin Chen	
INFORMATION DISCLOSURE STATEMENT		Filing Date: January 23, 2006	Group: 1645
(Use several sheets if necessary)			
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1-2	

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,946,778	08/07/90	Ladner <i>et al.</i>	435	69.6	01/19/89
	A2	5,258,498	11/02/93	Huston <i>et al.</i>	530	350	10/01/92
	A3	5,532,210	07/02/96	Shen	505	200	06/08/94
	A4	5,658,727	08/19/97	Barbas <i>et al.</i>	435	6	06/08/94
	A5	5,667,988	09/16/97	Barbas <i>et al.</i>	435	69.1	09/02/94
	A6	5,840,300	11/24/98	Williams <i>et al.</i>	424	135.1	09/11/95
	A7	5,932,448	08/03/99	Tso <i>et al.</i>	435	69.6	11/29/91
	A8	6,129,914	10/10/00	Weiner <i>et al.</i>	424	133.1	03/01/95
	A9	6,133,426	10/17/00	Gonzalez <i>et al.</i>	530	388.23	02/20/98
	A10	6,156,313	12/05/00	Burton <i>et al.</i>	424	147.1	05/06/97
	A11	6,376,170	04/23/02	Burton <i>et al.</i>	435	5	11/18/97
	A12	6,692,752	02/17/04	Slaoui <i>et al.</i>	424	231.1	09/14/00

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Connolly <i>et al.</i> , "Structure-based mutagenesis of herpes simplex virus glycoprotein D defines three critical regions at the gD-HvE/HSV binding interface," <i>J. Virol.</i> , 77:8127-8140, 2003.
	C2	Conrath <i>et al.</i> , "Camel single-domain antibodies as modular building units in bispecific and bivalent antibody constructs," <i>J. Biol. Chem.</i> , 276:7346-7350, 2001.

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C3	Desmyter <i>et al.</i> , "Antigen specificity and high affinity binding provided by one single loop of a camel single-domain antibody," <i>J. Biol. Chem.</i> , 276:26285-26290, 2001.
	C4	Elias and Heise, "Challenges for the development of female-controlled vaginal microbicides," <i>AIDS</i> , 8:1-9, 1994.
	C5	Kostelny <i>et al.</i> , "Formation of a Bispecific Antibody by the use of Leucine Zippers," <i>J. Immunol.</i> , 148:1547-1553, 1992.
	C6	Louv <i>et al.</i> , "A clinical trial of nonoxynol-9 for preventing gonococcal and chlamydial infections," <i>J. Infect. Dis.</i> , 158:518-523, 1988.
	C7	Malecki <i>et al.</i> , "Molecular immunolabeling with recombinant single-chain variable fragment (scFv) antibodies designed with metal-binding domains," <i>Proc. Natl. Acad. Sci. USA</i> , 99:213-218, 2002.
	C8	McGeoch <i>et al.</i> , "Complete DNA sequence of the short repeat region in the genome of herpes simplex virus type 1," <i>Nucleic Acids Res.</i> , 14:1727, 1986.
	C9	McGeoch <i>et al.</i> , "Sequence determination and genetic content of the short unique region in the genome of herpes simplex virus type 1," <i>J. Mol. Biol.</i> , 181:1-13, 1985.
	C10	McGeoch <i>et al.</i> , "The complete DNA sequence of the long unique region in the genome of herpes simplex virus type 1," <i>J. Gen. Virol.</i> , 69: 1531-1574, 1988.
	C11	Nicola <i>et al.</i> , "Monoclonal antibodies to distinct sites on herpes simplex virus (HSV) glycoprotein D block HSV binding to HVEM," <i>J. Virol.</i> , 72:3595-3601, 1998.
	C12	Perry and McGeoch, "The DNA sequences of the long repeat region and adjoining parts of the long unique region in the genome of herpes simplex virus type 1," <i>J. Gen. Virol.</i> , 69:2831, 1988.
	C13	Umetsu <i>et al.</i> , "How additives influence the refolding of immunoglobulin-folded proteins in a stepwise dialysis system. Spectroscopic evidence for highly efficient refolding of a single-chain Fv fragment," <i>J. Biol. Chem.</i> , 14:278(11):8979-8987, 2003
	C14	Zekeng <i>et al.</i> , "Barrier contraceptive use and HIV infection among high-risk women in Cameroon," <i>AIDS</i> , 7:725-731, 1993.

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